

US-PAT-NO: 6351647

DOCUMENT-IDENTIFIER: US 6351647 B1

TITLE: Location-dependent services in a mobile communication system

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Brief Summary Text - BSTX (8):

The base stations BTS continuously broadcast information on a broadcast channel about themselves and their environment, such as a base station identity code BSIC, adjacent cell information and a location area identifier LAI broadcast on a paging channel. The cell broadcast centre situated at the base station controller BSC, for example. manages the messages of the cell broadcast channels of the base stations BTS. The cell broadcast centre transmits via the base station controller BSC the broadcast messages assigned for each individual base station BTS on the basis of

**initial information
supplied by the operator. The broadcast on paging
channels and cell broadcast
channels, for example, has no address nor is encrypted
but intended to be
received by all mobile stations MS within the
geographical area covered by the
transmission of the base station. For a more detailed
description of cell
broadcast, reference is made to GSM recommendation
GSM 03.41 "European digital
cellular telecommunication system (Phase 2); Technical
realization of Short
Message Service Cell Broadcast (SMSCB)".**

Claims Text - CLTX (39):

**location information identification means for
separating location from a
received broadcast signal; and**

**Current US Cross Reference Classification - CCXR (2):
455/456.3**